

METHOD OF VIDEO COMPRESSION THAT ACCOMMODATES SCENE CHANGES

Abstract

A method provides a predetermined sequence of video frames, the predetermined sequence beginning with an I-frame, ending with a P-frame, and having intermediate B-frames. The method encodes blocks of each frame according to the order of the frame in the sequence and the frame type, determines a number of intra-picture coded blocks in an encoded P-frame, and determines that a scene change occurs when the number of intra-picture encoded blocks is greater than a predetermined number. The method redefines the P-frame detected as having a scene change as an I-frame, redefines all B-frames of the sequence as P-frames, and re-encodes redefined frames while detecting for the scene change in the newly defined P-frames.